This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended)  A method for collecting sleep quality data, comprising:

sensing ~~collecting in an implantable device~~ physiological information regarding at least one physiological condition related to sleep quality of a patient and indicative of patient sleep state; ~~and~~

sensing ~~collecting in the implantable device~~ non-physiological information regarding at least one non-physiological condition that affects the sleep quality of the patient, the at least one non-physiological condition comprising an ambient condition external to the patient other than time, the physiological information and the non-physiological information sensed contemporaneously by respective sensors;

storing the physiological information and the non-physiological information in an ~~the~~ implantable device; and

evaluating the patient's sleep quality using both the physiological and non-physiological information by calculating a composite sleep quality metric as a function of the physiological and non-physiological information stored in the implantable device.

2. (Currently amended)  The method of claim 1, wherein the composite sleep quality metric comprises a sleep disturbance index ~~at least one physiological condition comprises a cardiovascular system condition~~.

3. (Previously presented)  The method of claim 1, wherein the at least one physiological condition comprises a respiratory system condition.

4. (Previously presented)  The method of claim 1, wherein the at least one physiological condition comprises a muscle system condition.

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5. (Currently amended)  The method of claim 1, <u>further comprising trending the composite sleep quality metric over time</u> ~~wherein the at least one physiological condition comprises a blood chemistry condition~~.

6. (Currently amended)  The method of claim 1, wherein the <u>non-physiological information comprises ambient temperature</u> ~~at least one physiological condition comprises a nervous system condition~~.

7. (Previously presented)  The method of claim 1, wherein the at least one non-physiological condition comprises an environmental condition.

8. (Previously presented)  The method of claim 1, wherein the at least one non-physiological condition comprises a contextual condition.

9. (Previously presented)  The method of claim 1, wherein collecting the physiological information comprises collecting data associated with sleep stages.

10. (Previously presented)  The method of claim 1, wherein collecting the physiological information comprises collecting data associated with sleep disruption.

11. (Previously presented)  The method of claim 1, wherein collecting the physiological information comprises collecting data associated with disordered breathing.

12. (Previously presented)  The method of claim 1, wherein collecting the physiological information comprises collecting data associated with a movement disorder.

13. (Cancelled)

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14. (Previously presented)  The method of claim 1, wherein collecting the non-physiological information comprises sensing the at least one non-physiological condition external to the patient and transmitting the sensed non-physiological condition to the implantable device.

15-34. (Canceled)

35. (Currently amended)  A method for assessing sleep quality of a patient, comprising:

sensing ~~collecting in an implantable device~~ physiological information regarding at least one physiological condition related to sleep quality of a patient using an implantable device; ~~and~~

sensing ~~collecting in the implantable device~~ non-physiological information regarding at least one non-physiological condition that affects the sleep quality of the patient, the at least one non-physiological condition comprising an ambient condition external to the patient other than time, the physiological information and the non-physiological information sensed contemporaneously by respective sensors; and

evaluating the sleep quality of the patient using the ~~collected~~ physiological and non-physiological information by calculating a composite sleep quality metric as a function of the physiological and non-physiological information, wherein the evaluating the sleep quality is performed at least in part by the implantable device.

36. (Currently amended)  The method of claim 35, wherein the ~~collecting~~ non-physiological information comprises ~~is performed in part implantably and in part externally to the~~ patient location information.

37. (Currently amended)  The method of claim 35, wherein evaluating the sleep quality further comprises determining one or more sleep stages.

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38. (Currently amended)  The method of claim 35, wherein the ~~collecting~~ physiological information is indicative of ~~comprises detecting events associated with~~ sleep disruption.

39. (Currently amended)  The method of claim ~~38~~ 35, wherein the composite sleep quality metric comprises a sleep disturbance index ~~detecting the events associated with sleep disruption comprises detecting disordered breathing~~.

40. (Currently amended)  The method of claim ~~38~~ 35, wherein the non-physiological information comprises ambient temperature ~~detecting the events associated with sleep disruption comprises detecting movement disorders~~.

41. (Currently amended)  The method of claim 35, wherein the non-physiological information is indicative of external air quality ~~evaluating the sleep quality comprises determining one or more metrics associated with sleep quality~~.

42. (Currently amended)  The method of claim 35, wherein evaluating the sleep quality further comprises trending the composite ~~one or more metrics associated with~~ sleep quality metric over time.

43. (Currently amended)  The method of claim 35, wherein the physiological information is indicative of ~~evaluating the sleep quality comprises determining one or more metrics associated with~~ disordered breathing.

44. (Currently amended)  The method of claim 35, wherein the physiological information is indicative of ~~evaluating the sleep quality comprises determining~~ one or more ~~metric associated with~~ movement disorders.

45. (Currently amended)  The method of claim 35, wherein the non-physiological information is indicative of ~~evaluating the sleep quality comprises determining one or more composite metrics based on metrics associated with sleep and metrics associated with~~ events that disrupt sleep.

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46. (Currently amended)  The method of claim 35, wherein <u>sensing</u> the ~~collecting~~ non-physiological information comprises sensing the at least one non-physiological condition external to the patient and transmitting the sensed non-physiological condition to the implantable device.

47-96. (Canceled)

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